

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2001146460  
PUBLICATION DATE : 29-05-01

APPLICATION DATE : 17-11-99  
APPLICATION NUMBER : 11327056

APPLICANT : SUMITOMO OSAKA CEMENT CO LTD;

INVENTOR : KUNINISHI TAKESHI;

INT.CL. : C04B 28/14 B09B 3/00 //(C04B 28/14 , C04B 14:04 , C04B 18:30 , C04B 14:36  
, C04B 14:08 ) C04B111:00

TITLE : GYPSUM HARDENED PRODUCT CONTAINING POROUS ADSORBENT AND  
PRODUCTION OF THE SAME HARDENED PRODUCT

ABSTRACT : PROBLEM TO BE SOLVED: To effectively utilize scrap gypsum molded products such as waste gypsum boards, and in more detail to effectively utilize the scrap gypsum molded products by obtaining gypsum hardened products containing a porous adsorbent having a harmful gas-adsorbing function and a humidity-adjusting function.

SOLUTION: This gypsum hardened products containing the porous adsorbent features that the scrap gypsum molded products are heated under atmospheric pressure or pressurization at 60-230°C to obtain regenerated hemihydrate gypsum and the regenerated hemihydrate gypsum is mixed with the porous adsorbent comprising at least one kind selected from the group consisting of diatomaceous soil, activated carbon, charcoal, crystalline silicic acid, noncrystalline silicic acid, aluminum silicate, hardened matter obtained by acidifying the incinerated ash of sewage sludge, activated soil, acid white clay and zeolite, followed by being hardened.

COPYRIGHT: (C)2001,JPO